

WHAT IS CLAIMED IS:

1. A flexible chamber comprising a first side and a second side and having an expandable wall, wherein a first end of the expandable wall is attached to a circumference of the first side of the flexible chamber and a second end of the expandable wall is attached to a circumference of the second side of the flexible chamber.
2. The chamber according to claim 1, further comprising an axial opening positioned in either of both of the first side and the second side.
3. The chamber according to claim 1, further comprising an axial opening positioned in both the first side and the second side.
4. The flexible chamber according to claim 1, wherein the chamber comprises a processing chamber.
5. The flexible chamber according to claim 1, wherein the chamber comprises an expressor chamber.
6. The flexible chamber according to claim 1, wherein the expandable wall comprises an accordion wall.
7. The flexible chamber according to claim 1, wherein the expandable wall includes at least one pair of corresponding connected flaps, wherein a first flap of the pair of flaps includes a first circumferential end attached to the circumference of the first side of the flexible chamber and wherein a second flap of the pair of flaps includes a second circumferential end attached to the circumference of the second side of the flexible chamber.
8. The flexible chamber according to claim 7, wherein the expandable wall includes a plurality of pairs of flaps.
9. A processing apparatus for a continuous flow centrifuge, comprising a flexible

chamber comprising a first side and a second side and having a circumferential expandable wall, wherein a first end of the expandable wall is attached to a circumference of the first side of the flexible chamber and a second end of the expandable wall is attached to a circumference of the second side of the flexible chamber.

10. The processing apparatus according to claim 9, further comprising an axial opening provided in at least one of the first side and the second side of the flexible chamber.
11. The processing apparatus according to claim 10, wherein the axial opening is included on both the first side and the second side of the flexible chamber.
12. The processing apparatus according to claim 9, wherein the expandable wall comprises an accordion wall.
13. The processing apparatus according to claim 9, wherein the expandable wall includes at least one pair of corresponding connected flaps, wherein a first flap of the pair of flaps includes a first circumferential end attached to the circumference of the first side of the flexible chamber and wherein a second flap of the pair of flaps includes a second circumferential end attached to the circumference of the second side of the flexible chamber.
14. The processing apparatus according to claim 13, wherein the expandable wall includes a plurality of pairs of flaps.
15. The processing apparatus according to claim 9, wherein the flexible chamber comprises a processing chamber for containing a material to be centrifuged.
16. The processing apparatus according to claim 9, wherein the flexible chamber comprises an expressor chamber for containing an expressor material.
17. The processing apparatus according to claim 9, further comprising a plurality of flexible chambers.

18. The processing apparatus according to claim 17, wherein one or more of the plurality of flexible chambers comprise processing chambers for containing material to centrifuge and one or more of the plurality of flexible chambers comprise expressor chambers for containing expressor material.
19. A continuous flow centrifuge including a plurality of flexible chambers, each comprising a first side and a second side, wherein either or both of the first side and the second side of each chamber including an axial opening, the flexible chamber further comprising a circumferential expandable wall, wherein a first end of the expandable wall is attached to a circumference of the first side of the flexible chamber and a second end of the expandable wall is attached to a circumference of the second side of the flexible chamber.
20. A biological cell processing apparatus comprising:
  - a continuous flow centrifuge; and
  - a flexible chamber comprising a first side and a second side and having a circumferential expandable wall, wherein a first end of the expandable wall is attached to a circumference of the first side of the flexible chamber and a second end of the expandable wall is attached to a circumference of the second side of the flexible chamber.